We Claim:

1. A method for measuring binding activity of molecules to steroid hormone receptors, comprising:
   a) mixing a fluorescence-emitting compound that binds to the steroid hormone receptors at a first domain and a fluorescence-labeled nucleic acid that binds to the steroid hormone receptors at a second domain in a solution containing the steroid hormone receptors;
   b) measuring the fluorescence polarization of each fluorescence emission from the solution from step a);
   c) incubating the solution of step a) with at least one molecule that may compete for interaction with at least one domain;
   d) measuring the fluorescence polarization of each fluorescence emission of the solution during step c); and,
   e) comparing the fluorescence polarization measurements of step b) with step d) to quantify any interaction.

2. The method of claim 1 wherein the steroid hormone receptors are purified.

3. The method of claim 2 wherein the purified steroid hormone receptors comprises recombinant steroid hormone receptors.

4. The method of claim 2 wherein the quantitation comparison of step e) is of sufficient magnitude to be suitable for use with a screening assay.

5. The method of claim 4 wherein the screening assay is performed on a multi-well plate.

6. The method of claim 2 wherein the fluorescence-emitting compound comprises a hormone that inherently emits fluorescence.

7. The method of claim 3 wherein the steroid hormone receptors comprises estrogen receptor.

8. The method of claim 2 wherein the nucleic acid comprises a deoxyribonucleic acid.

9. A kit utilizing the method of claim 1 for identifying natural and non-natural molecules which bind to human steroid hormone receptors, for use in treating related diseases, comprising:

a) instructions for utilizing fluorescence polarization to identify the molecules;

b) a receptacle containing human steroid hormone receptors; and,

c) a receptacle containing fluorescence-emitting hormone which binds human steroid hormone receptors.

10. The kit of claim 9 wherein the human steroid hormone receptors are purified.

11. The kit of claim 10 wherein the human steroid hormone receptors are recombinant.

12. The kit of claim 11 further comprising a receptacle containing a fluorescence-labeled nucleic acid.

add a7